GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Water Resources Department – Request of Andhra Pradesh Gas Distribution Corporation Limited (APGDCL) for laying 24”/18” dia Natural Gas pipe line as part of Kakinada-Srikakulam Natural Gas pipeline crossing at various canals of Irrigation Circle, Dowlaiswaram in East Godavari District – Permission Accorded –Orders – Issued.

WATER RESOURCES (REFORMS) DEPARTMENT

G.O.RT.No. 890 Dated: 24-12-2018

Read the following:-

1. From the Principal Secretary to Government, Energy, Infrastructure & Investment and CRDA Departments, A.P.Secretariat, Velagapudi D.O. letter dated 21.08.2018.
2. From the Engineer-in-Chief(Irrigation), Water Resources Department, Lr.No.ENC(I)/DCE(GDS)OT.3/AEE.7 /APGDC, dt:19.11.2018.

O R D E R

In the reference 1st read above, the Principal Secretary to Government, Energy, Infrastructure & Investment and CRDA Departments has stated that Andhra Pradesh Gas Distribution Corporation Limited (APGDCL), a joint venture of APGIC and GAIL Gas Limited, has been entrusted with development of Gas infrastructure in the State of Andhra Pradesh and forwarded the request of Managing Director, APGDCL for according permission for crossing various water bodies such as Rivers, Canals, Nalas, Drains, Water tanks etc. for carrying out the trenching and laying pipeline operations with all standard precautions and with all safety measures in East Godavari and Vishakhapatnam Districts.

2. The Engineer-in-Chief(Irrigation), Water Resources Department after inspection of the proposed Natural Gas Pipeline crossings has furnished the list of 62 crossings and the conditions to be stipulated through the reference 2nd read above. The details of crossings and the conditions to be stipulated are as follows:

2(a) List of Crossings in Y.I. Division, Peddapuram

S. No	Village	Mandal	Name of Canal	ROU (mts)	Total Width (mts)	Area (Acres)	Land Value per Acre (₹)	Compensation 10% per annum for five years 50% (₹)	Refundable Security Deposit (₹)
1	Thammavaram	Kakinada (R)	Navara Yeru	70	32	0.5534	17,60,000	4,86,985	9,00,000
2	Nemam	Kakinada (R)	Ramanjuna Chervu Kalava	4	15.5	0.0153	13,20,000	10,109	1,00,000
3	Nemam	Kakinada (R)	Ramanjuna Chervu Kalava	4	15.5	0.0153	13,20,000	10,109	1,00,000

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4	Thammavaram	Kakinada (R)	Jutti Kalava	8	28	0.0553	17,60,000	48,698	4,00,000
5	Nemam	Kakinada (R)	Jutti Kalava	8	28	0.0553	13,20,000	36,524	4,00,000
6	Pandur u	Kakinada (R)	6R Channel	3	17.5	0.0130	13,20,000	8,560	1,00,000
7	Navakandrvada	Pithapuram	Cherukula Kalava	6	19	0.0282	12,50,000	17,602	1,50,000
8	Pithapuram	Pithapuram	PBC	12	31.5	0.0934	22,00,000	1,02,723	4,00,000
9	Pithapuram	Pithapuram	Kondevaram Kalava	2	11	0.0054	22,00,000	5,979	1,00,000
10	Kondevaram	U.Kothapalli	PBC	12	31.5	0.0934	9,50,000	44,358	4,00,000
11	Kondevaram	U.Kothapalli	Vajra Kalava	6	23	0.0341	9,50,000	16,194	1,00,000
12	Kondevaram	U.Kothapalli	Relli Kalava	2	15	0.0074	9,50,000	3,520	1,00,000
13	Kondevaram	U.Kothapalli	Rayavarapu Manyam Kalava	3	17.5	0.0130	9,50,000	6,161	1,00,000
14	Madhavapuram	Pithapuram	Tirupathi Raju Kalava	9	27	0.0600	9,50,000	28,516	2,00,000
15	Madhavapuram	Pithapuram	Pedda Thota Borram Doddi	2	15.5	0.0077	9,50,000	3,638	1,00,000
16	Madhavapuram	Pithapuram	Punta Branch Panta Kalava	1	13	0.0032	9,50,000	1,526	1,00,000
17	Madhavapuram	Pithapuram	Kasuvari Chervu, Pollu Kalava	5	22	0.0272	9,50,000	12,908	1,50,000
18	Madhavapuram	Pithapuram	Nadimeru Canal	6	25	0.0371	9,50,000	17,602	1,50,000
19	Gollaprolu	Gollaprolu	Thuppak Gedda	5	23	0.0284	12,50,000	17,757	1,50,000
20	Gollaprolu	Gollaprolu	Nakkala Khandi	40	74	0.7313	12,50,000	4,57,043	9,00,000
21	Gollaprolu	Gollaprolu	Gandevari Kalava	18	15	0.0890	12,50,000	55,599	2,00,000
22	Gollaprolu	Gollaprolu	Pati Kalava	16	15	0.0791	12,50,000	49,421	2,00,000

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23	Gollaprolu	Gollaprolu	Veeraju Kalava	4	6	0.0198	12,50,000	12,355	1,00,000
24	Chebrolu	Gollaprolu	PBC	50	32	0.2471	10,50,000	1,29,730	5,00,000
25	Chebrolu	Gollaprolu	Chebrolu Local Drain	8	8	0.0395	10,50,000	20,757	1,50,000
26	Lakshmi Puram	Gollaprolu	Gajaraju Cheruvu	33	44	0.1631	9,50,000	77,467	3,00,000
27	Vijayan agaram	Gollaprolu	Rammaya Valu Kalava	35	35	0.1730	9,50,000	82,162	3,00,000
28	Mallavaram	Gollaprolu	Rammaya Valu Kalava	25	35	0.1236	9,50,000	58,687	2,00,000
29	Mallavaram	Gollaprolu	RRB Tank Surples Channel	40	34	0.1977	9,50,000	93,900	5,00,000
30	Mallavaram	Gollaprolu	RRn Tank Channel 14	20	14	0.0988	9,50,000	46,950	1,00,000
31	Ravikampadu	Thondangi	Panta Kalava	10.5	17	0.0467	5,25,000	12,259	2,00,000
32	Kommanapalli	Thondangi	Drain	8	8	0.0356	6,00,000	10,675	1,50,000
33	Kommanapalli	Thondangi	Field Channel	9.12	12	0.0406	6,00,000	12,169	2,00,000
34	AKottapalli	Thondangi	Gollusulamma Canal	7	10	0.0311	7,00,000	10,897	3,00,000
35	A Kottapalli	Thondangi	Aava Channel	10.85	18	0.0483	7,00,000	16,891	1,50,000
36	A Kottapalli	Thondangi	Panta Bodhi	7.5	12	0.0334	7,00,000	11,676	5,00,000
37	A Kottapalli	Thondangi	Pampa Main Canal	21	25	0.0934	7,00,000	32,692	5,00,000
38	GopalaPatnam	Thondangi	Veerappa Canal	18.5	22	0.0823	6,25,000	25,714	3,00,000
39	A Kottapalli	Thondangi	Drain	8	12	0.0356	7,00,000	12,454	3,00,000
40	A Kottapalli	Thondangi	Drain	8	12	0.0356	7,00,000	12,454	3,00,000
41	A Kottapalli	Thondangi	Drain	8	12	0.0356	7,00,000	12,454	3,00,000

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42	A Kottapalli	Thondangi	D1	8	12	0.0356	7,00,000	12,454	3,00,000
43	Tetaguntа	Tuni	Tetagunta Tank	40	120	0.1779	10,00,000	88,958	2,00,000
44	Tetaguntа	Tuni	Pakka Potu Canal	55	120	0.2446	10,00,000	1,22,317	5,00,000
45	Tetaguntа	Tuni	Field Channel	10.5	18	0.0467	10,00,000	23,351	2,00,000
46	Hamsavaram	Tuni	Kanubolu Kalava	6	9	0.0267	7,00,000	9,341	1,00,000
47	Hamsavaram	Tuni	Field Channel	9.12	12	0.0406	7,00,000	14,198	1,50,000
48	Hamsavaram	Tuni	KMR Tank Sluez No. 1	9.5	14	0.0423	7,00,000	14,789	1,50,000
49	Hamsavaram	Tuni	KMR Sruples Channel	9.5	14	0.0423	7,00,000	14,789	1,50,000
50	Valluru	Tuni	Valluru Tank	10	450	0.0445	6,00,000	13,344	3,00,000
51	Valluru	Tuni	Field Channel	8	9	0.0356	6,00,000	10,675	1,50,000
52	Chamavaram	Tuni	Field Channel	8	5	0.0356	6,00,000	10,675	1,50,000
53	Chamavaram	Tuni	Pallam Cheruvu	30	220	0.1334	8,50,000	56,711	3,00,000
54	Kavalapadu	Tuni	Kotha Cheruvu	20	60	0.0890	8,50,000	37,807	3,00,000
55	Kavalapadu	Tuni	Field Channel	5.5	7	0.0245	8,50,000	10,397	1,50,000
56	Kavalapadu	Tuni	Field Channel	5.5	7	0.0245	8,50,000	10,397	1,50,000
57	Komaragiri	U.Kothapalli	Raju Tank	20	430	2.1251	10,50,000	11,15,679	21,00,000
58	Navakandravada	Pithapuram	Nakkulamma Tank	20	250	1.2355	12,50,000	7,72,203	15,00,000
59	Kondevaram	U.Kothapalli	Pedintamma Tank	20	639	3.1579	9,50,000	15,00,051	30,00,000
60	Madhavapuram	Pithapuram	Kasu Cheruvu	20	825	4.0772	9,50,000	19,36,685	40,00,000
61	Mallavaram	Gollaprolu	RRB Tank	20	713	3.5236	9,50,000	16,73,766	35,00,000
62	Hamsavaram	Tuni	Komati Tank	20	130	0.6425	7,00,000	2,24,866	4,00,000
Total							6,09,00,000	98,07,330	2,86,00,000

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2(b) Conditions:

1) The firm shall so long as the grant be in force pay in advance to the Government a sum of Rs.98,07,330 (the present cost of the land for the area which is to be utilized for laying/crossing of pipeline is arrived at the rate of 10% of land value per annum) as a lease amount in the shape of Demand Draft in favour of Assistant Pay and Accounts Officer, Works and Projects, Kakinada for 62 Nos. of crossings before commencement of the work. This rate is subject to revision by the Government from time to time as and when the capital cost of site changes as per records of Registration/Revenue Department.
2) The firm shall pay the security amount (refundable) of Rs.2,86,000/- in the shape of Demand Draft in favour of Assistant Pay and Accounts Officer, Works and Projects, Kakinada for 62 Nos. of crossings before commencement of the work.
3) The pipe line shall not be taken beneath any CM & CD structures of the Water Resource department and it shall be taken at least 25 Mts. Distance from any structure.
4) The top level of the pipe line proposed should be at least 5.00 M below the canal bed level. The pipe line laying should be done preferably for major canal having bed width more than 3 meters by Horizontal Directional Drilling (HDD) method without disturbing the existing embankments.
5) The laying of pipe line should be carried out during closure period of canals i.e., during summer season.
6) During laying of the pipes, if the canal prism or banks are disturbed, the firm (i.e., M/s APGDC, (AP Gas Distribution corporation Ltd.,), Dr.No. 13-1-51, 2nd Floor, Above Oriental Bank of Commerce, Main Road, Kakinada – 533001) is liable for restoration of canals to its original standards with their own cost and as directed by the Engineer – In – Charge of the department.
7) Crossing No.44 of Pakkapotu channel which is surplus course of Pampa Reservoir. This surplus course is proposed to be widened to bed width of 80m and a depth of 5 m to carry a maximum flood discharge of 20,000 cusecs, for which the proposals are under active consideration of water resources department of Government of Andhra Pradesh. Hence the APGDC pipeline (Kakinada- Srikakulam) shall be executed for this crossing with a width of 100 m keeping a minimum depth of 6 M below the existing bed level or 8 M from the ground level.
8) If any damage is caused to crop or habitations in the vicinity, the sole responsibility shall lies with the applicant firm and adequate compensation should be paid by the firm (i.e., M/s APGDC, (AP Gas Distribution corporation Ltd.,), Dr. No. 13-1-51, 2nd Floor, Above Oriental Bank of Commerce, Main Road, Kakinada – 533001) to the Farmers or people affected with the damage.
9) After laying the pipe line the canal should be restored to its original standards and No Objection Certificate (NOC) may be obtained from the concerned officials of Water Resources Department to get release of the security deposit as arrived in condition No-2 above.
10) Safety of the pipe lines laid is the sole responsibility of the Firm (i.e., M/s APGDC, (AP Gas Distribution corporation Ltd.,), Dr.No. 13-1-51, 2nd Floor, Above Oriental Bank of Commerce, Main Road, Kakinada – 533001)
11) The work of pipe line crossing for major canals or drains shall got executed with the departmental officials.

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12) The water Resource Department has got right over the canals, to take up improvement works/ modernization works at any moment of time on canals/ drains to improve the system, by the way of modifying these sectional prism.
13) The applicant agency shall take care of those changes which are deemed to fit to their pipe line, at their own cost.
14) The agency should make arrangements for marking indicators of pipe line for each crossing on either side of the canal.
15) The Executive Engineer has to collect Centage Charges amount from M/s APGDCL as per "D" code provisions.

3. The Engineer-in-Chief(Irrigation) has also submitted that the condition laid down in the GO.Rt.No.265, Water Resources(Reforms) Department, dated:11.04.2018 while according permission to IOCL by Government may also be imposed.

4. The Engineer-in-Chief(Irrigation), Water Resources Department has recommended to Government to accord necessary permission to Andhra Pradesh Gas Distribution Corporation Limited (APGDCL) for Laying 24"/18" dia Natural Gas pipe line crossing at various canals in the jurisdiction of Irrigation Circle, Dowlaiswaram as part of Kakinada-Srikakulam Natural Gas pipeline at the crossings as mentioned at 2(a) subject to the conditions mentioned at para.2(b) and also subject to the conditions vide GO.Rt.No.265, Water Resources(Reforms) Department, dated:11.04.2018 applicable to APGDCL, which are mentioned below.

i. The work at Canals / drains / flood banks / river crossings is to be allowed only after obtaining approved drawings from the competent authority.
ii. The ancillary/incidental works as may be required by the Water Resources Department/Farmers Organization required for water supply is to be attended by the APGDCL.
iii. The pipe line alignment is to be taken away from the structures to a safe distance as directed by the Water Resources Department.
iv. After execution of the pipe line, proper compaction is to be done and bank is to be restored to designed profile.
v. While execution of the work, utmost care is to be taken for protecting salient features of the canals/drains/flood banks. In case of any damage is caused to any irrigation system, the same should be restored immediately by reconstruction of the same at the cost of APGDCL to the required standards.
vi. If any new cross masonry works taken up during course of modernization of canals, the alignment of pipeline is to be diverted accordingly.
vii. There should not be any obstruction for the free flow of water / navigation during the course of execution of work or after the completion of the work
viii. The inspection paths on canal banks / drain banks / flood banks shall not be damaged. If any damage is noticed, the same has to be restored and brought to the original condition immediately at the cost of APGDCL.
ix. During laying of pipeline, obstruction should not be created for movement of vehicles on the bank.
x. After completion of the work, the banks of canal / drains / flood banks should be brought to original standards i.e., rolled and made free of undulations.

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xi. The alignment of the pipeline shall not obstruct the execution of modernization works or harvesting by farmers.

xii. The firm has to intimate 15 days in advance before commencement of work and the work has to be done under close supervision of Department staff only.

xiii. The Department is no way responsible for any legal complications arising out of public or other on the work operations of the firm.

xiv. The APGDCL shall follow the river conservancy rules.

xv. While laying pipe lines sufficient protection works are to be carried out at all crossings of canals / drain / flood banks / rivers so as to facilitate carrying out required maintenance and construction works by the Department.

xvi. The APGDCL shall abide to all existing labour laws regarding providing amenities and payments etc., to their labour working in the premises / site of this department and this department is not responsible for any kind of negligence in enforcing any labour law / act or any compensation to be paid if any unto do incident occurs.

xvii. The specification shall be followed while execution of work and the work shall be carried out under the supervision of authorized technical person from APGDCL.

xviii. The permission accorded shall be liable to be cancel at any time when the situation demands/any objections raised from the ayacutdars without any prior notice and APGDCL have no right to claim any compensation in this regard.

xix. Any deviations to the above conditions put forth leads to cancellation of the permission accorded.

xx. Valve chambers are to be provided away from the banks wherever necessary.

xxi. During execution, open excavation of work on field channels, minor drains, necessary diversion arrangements are to be made for free flow of water of the canal /drain.

xxii. Any damage caused to Government property should be rectified by the APGDCL at their own cost.

xxiii. Any recommendations/ remedial measures made for protecting the areas in marginal land that may be found necessary by the Water Resources Department during the course of operations by M/s. APGDCL shall have to be done with their own cost.

xxiv. M/s. APGDCL Ltd should not make any alterations of the proposals without the consent of Water Resources Department.

xxv. Seignorage charges if any, for sand/earth etc, should be paid by M/s APGDCL to the Mines and Geology Department at the rates fixed by the Government from time to time.

xxvi. The work shall be executed by M/s APGDCL at their own cost with the close association/ supervision of Water Resources Department authorities / officials.

xxvii. The M/s APGDCL should make their own arrangements to safeguard their equipment material and men during floods time. M/s APGDCL should take all necessary safety/Precautionary measures and the firm has to maintain the entire system at their own cost as long as their operations exist.

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xxviii. The M/s APGDCL should ensure that gas/ optical fiber cable should not get disturbed / damaged due to movement of heavy machinery that carries maintenance operations. Any disturbance / damage caused shall be to the account of Pipeline Company.

5. In view of circumstances explained by the Engineer-in-Chief (Irrigation), Water Resources Department, Government, after careful examination of the matter, hereby accord permission to Andhra Pradesh Gas Distribution Corporation Limited (APGDCL) for Laying 24”/18” dia Natural Gas pipe line crossing at various canals of Irrigation Circle, Dowlaiswaram as part of Kakinada-Srikakulam Natural Gas pipeline at the locations as mentioned at para 2(a) subject to the conditions mentioned at para.2(b) and at para.4.

6. The Engineer-in-Chief (Irrigation), Water Resources Department, Andhra Pradesh, Vijayawada and the Collector & District Magistrate of East Godavari district shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SHASHI BHUSHAN KUMAR
SECRETARY TO GOVERNMENT

To
The Engineer-in-Chief (Irrigation), Water Resources Department,
Andhra Pradesh, Vijayawada.
The Collector & District Magistrate, East Godavari District.
The Chief Engineer, Godavari Delta System, Dowlaiswaram.
The Managing Director, Andhra Pradesh Gas Distribution Corporation Limited (APGDCL), Vijayawada.
Copy to:
The Private Secretary to Hon‘ble Minister for Water Resources.
The Private Secretary to Secretary to Government, Water Resources Department.
The Principal Secretary to Government, Energy, Infrastructure & Investment and CRDA Departments, A.P.Secretariat, Velagapudi, Amaravati.
The Superintending Engineer, Irrigation Circle, Dowlaiswaram.
SF/SC

//FORWARDED::BY ORDER//

SECTION OFFICER.